Fermilab

ELECTRICAL HAZARD ANALYSIS/WORK PERMIT

For Selected Work Activities on the AC Power Distribution System or Electrical Utilization Equipment

JOB NAME & LOCATION:					
EFFECTIVE DATES OF PERMIT: Start:		End:			
WORK TO BE PERFORMED BY:					
QUALIFIED PERSON IN CHARGE:		PHONE:			
Does the Work Involve Diagnostic Energized Work?	Yes No	(Includes LOTO Verification)			
Does the Work Involve Manipulative Energized Work?	Yes No	(Justification Required)			
Is an Inspection Required After Work is Completed?	Yes No	YesNo (Reqd. for New AC Pwr. Installs)			
If the Work Activity Involves Manipulative Energi	zed Work, State the Ju	stification Here.			
DESCRIPTION OF WORK:					
ASSOCIATED HAZARDS:					
HAZARD MITIGATION: Indicate Hazard	/Risk Category (0, 1, 2,	2*, 3 or 4):			

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SHOCK PROTECTION BOUNDARIES for ENERGIZED WORK

from NFPA 70E Table 130.2(C) for Fixed Circuit Parts and Article 130.3(A). Indicate if Otherwise.

For 120/20	8 VAC: Shock Protection: Limited Approach: 3' 6".	Restricted & Prohibited Approach: Avoid Contact				
	VAC: Shock Protection: Limited Approach: 3' 6". R					
Class	S Voltage-Rated Gloves and Leather Pr	Protectors Required for Subject Work Activity				
ARC	C-FLASH PROTECTION BOUNDARY and RE	QUIRED PPE for ENERGIZED WORK				
PPE Requ	uirements for Shock & Arc Flash Protection are Fully Describ Clothing Must be Non-Melting or Untreated Natural Fiber					
The Fo	ermilab Default Flash Protection Boundary is 4 Feet	(as Qualified by Article 130.3(A) at 100 kA Cycles)				
1	If Calculated, Indicate Flash Protection Boundary:	feet and/or inches				
	If Calculated, Indicate Incident Energy Level for Ar	rc Flash Protection: cal/cm ²				
HRC 0	Long-Sleeve Cotton Shirt, Long Cotton Pants Gloves (0 to 1.2 cal/cm²)	s, Safety Glasses, Hearing Protection, Leather				
HRC 1	FR Coverall, Safety Glasses, Hard Hat, Arc-rated Face Shield, Hearing Protection, Leather Protectors or Gloves, Leather Work Shoes (>1.2 to 4 cal/cm²)					
HRC 2	Cotton Clothing under FR Coverall, Safety Glasses, Hard Hat, Arc-Rated Face Shield Hearing Protection, Leather Protectors or Gloves, Leather Work Shoes (>4 to 8 cal/cm²)					
HRC 2*	Cotton Clothing under FR Coverall, Safety Glasses, Hard Hat, Double-Layer Switching Hood, Hearing Protection, Leather Protectors or Gloves, Leather Work Shoes (>4 to 8 cal/cm²)					
HRC 3	Cotton Clothing under 2 FR Coveralls (25 cal/cm²), Safety Glasses, Hard Hat, Hard Hat Liner, Flash Suit Hood, Hearing Protection, Leather Protectors or Gloves, Leather Work Shoes (>8 to 25 cal/cm²)					
HRC 4	Cotton Clothing under Multilayer FR Flash Suit Jacket and Pants (40 cal/cm²), Safety Glasses Hard Hat, Hard Hat Liner, Flash Suit Hood, Hearing Protection, Leather Protectors of Gloves, Leather Work Shoes (>25 to 40 cal/cm²)					
PREPAREI	D BY:	Date:				
APPROVE	ED BY:	Date:				
	ADDITIONAL APPROVALS FOR MANIPU	ULATIVE ENERGIZED WORK				
Approv	val of D/S Electrical Coordinator					
Approv	val of Area Division/Section Head					
Approv	val of Fermilab Directorate					

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Job Briefing Signature Sheet

Person(s) Conducting Briefing:			Date:	
Personnel Present at the J Hazard Mitigation Requi	0 0	, thereby Indicating their Understa	nding of the Scope of Work ar	nd Associated
Print Name	Fermi ID#	Div/Sec or Company	<u>Signature</u>	

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